

Mr. Robert Martin  
Lear Corporation, Shenandoah Division  
500 N. Fillmore Rd.  
Greencastle, IN 46135

Re: 133-11640  
First Administrative Amendment to  
Part 70 No.: T 133-5803-00018

Dear Mr. Martin:

Lear Corp., Shenandoah Division was issued a permit on May 26, 1998 for manufacturing of injection molded plastic parts for use in automobile interiors. An application to modify the source was received on September 7, 1999. Pursuant to the provisions of 326 IAC 2-7-10.5(l)(1) and 326 IAC 2-7-11 the Part 70 permit is hereby administratively amended to incorporate the requirements of the Significant Source Modification No. 133-11325-00018 as follows (bold emphasis added to new language):

1. The Table of Contents on Page 5 of the permit has been revised to include information related to the new Section D.7 added to the permit in Item 3, below.
2. The following Item (5) has been added to the emission unit description in Section A.2 on Page 6 of the permit:

**(5) Two (2) front door bolster/glue booths, identified as Bolster/Glue Booths 23 and 24, equipped with air atomization spray applicators; dry filters for overspray control exhausting to stacks 23 and 24; and infrared curing ovens. The maximum capacity of each of the bolster/glue booths is 15 interior automotive plastic parts per hour.**

Note: Page 7 of the permit was revised to make space for the changes on Page 6.

3. A new Section D.7 has been added as Pages 42a and 42b of the permit and contains the operation conditions associated with the new bolster/glue booths.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Janusz Johnson, at (800) 451-6027, press 0 and ask for Janusz Johnson or extension (2-8325), or dial (317) 232-8325.

Sincerely,

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Management

Attachments: Revised and new Part 70 permit pages (6 pages)

JKJ

cc: File - Putnam County  
U.S. EPA, Region V  
Putnam County Health Department  
Air Compliance Section Inspector - Marc Goldman  
Compliance Data Section - Karen Nowak  
Administrative and Development - Janet Mobley  
Technical Support and Modeling - Michele Boner

# **PART 70 OPERATING PERMIT OFFICE OF AIR MANAGEMENT**

**Lear Corporation, Shenandoah Division  
500 North Fillmore Road  
Greencastle, IN 46135**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T133-5083-00018	
Issued by: Felicia R. George, Assistant Commissioner Office of Air Management	Issuance Date: May 26, 1998

First Significant Permit Modification: 133-11265-00018 (Review pending)  
First Minor Permit Modification: 133-11604-00018 (Review pending)

First Administrative Permit Amendment: 133-11640	Pages Affected: 5, 6, 7, 42a and 42b
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

D.6.1 Volatile Organic Compound (VOC) [326 IAC 8-1-6]

D.6.2 Particulate Matter [326 IAC 6-3]

**Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]**

D.6.3 Compliance Monitoring

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

D.6.4 Record Keeping and Reporting Requirements

**D.7 FACILITY OPERATION CONDITIONS - Bolster/Glue Booths 23 and 24 ..... 42a**

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

D.7.1 Best Available Control Technology (BACT) [326 IAC 8-1-6]

D.7.2 Prevention of Significant Deterioration (PSD)

D.7.3 Particulate Matter (PM) [326 IAC 6-3-2(c)]

D.7.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

**Compliance Determination Requirements**

D.7.5 Testing Requirements [326 IAC 2-7-6(1)]

**Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]**

D.7.6 Particulate Matter (PM)

D.7.7 Monitoring

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

D.7.8 Record Keeping Requirements

**Certification Form**

**Emergency/Deviation Occurrence Report**

**Quarterly Report Forms**

**Compliance Report Form**

## SECTION A

## SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM), and presented in the permit application.

### A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

---

The Permittee owns and operates a stationary plant for the manufacture of injection molded plastic parts for use in automobile interiors.

Responsible Official: Dennis Hamilton, General Manager  
Source Address: 500 North Fillmore Road. Greencastle, Indiana 46135  
Mailing Address: 500 North Fillmore Road. Greencastle, Indiana 46135  
SIC Code: 3089  
County Location: Putnam  
County Status: Attainment for all criteria pollutants  
Source Status: Part 70 Permit Program  
Major Source, under PSD Rules;  
Major Source, Section 112 of the Clean Air Act

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

---

This stationary source consists of the following emission units and pollution control devices:

- (1) One S-Van paint application line, identified as Paint Line 1 consisting of two (2) paint booths, 1 and 2, and one (1) curing oven, with a maximum capacity of 420 plastic parts per hour, with particulate matter overspray from each booth controlled by water curtain, and exhausting to stacks 1, 2, and 5.
- (2) Six (6) glue booths, identified as Glue Booth 9A, 9B, 10A, 10B, 11 and 12, each with a maximum capacity of 125 plastic and fabric parts per hour, and exhausting to stacks 9, 10, 11 and 12. Glue Booths 11 and 12 use dry filters for particulate matter overspray control.
- (3) One (1) paint at press booth, identified as PPB, equipped with high-volume low-pressure (HVLP) spray applicators with a maximum capacity of 130 plastic automotive parts per hour, with dry filters for overspray control, exhausting to stacks 21 and 22.
- (4) Two (2) glue booths, identified as Glue Booths 7A and 8A, equipped with air atomization spray applicators, with dry filters for overspray control, and exhausting to stacks 7 and 8, respectively, and two (2) bolster wrap machines, identified as Bolster Wraps 7B and 7B2, equipped with air atomization spray applicators, with dry filters for overspray control, and exhausting to stacks 7 and 8, respectively. The combined maximum capacity of these units is 288 plastic automotive parts per hour.
- (5) Two (2) front door bolster/glue booths, identified as Bolster/Glue Booths 23 and 24, equipped with air atomization spray applicators; dry filters for overspray control exhausting to stacks 23 and 24; and infrared curing ovens. The maximum capacity of each of the bolster/glue booths is 15 interior automotive plastic parts per hour.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]  
[326 IAC 2-7-5(15)]

---

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (1) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour (water boiler - 0.78 MMBtu/hr, water boiler - 1.092 MMBtu/hr, comfort heat boiler - 0.745 MMBtu/hr, space heaters).
- (2) Other categories with emissions below insignificant thresholds:
  - (a) Touch-up paint booth 1 in "S-Van" paint room;
  - (b) Touch-up paint booth 2 in "S-Van" paint room;
  - (c) Mask washer in "S-Van" paint room;

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

---

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

A.5 Prior Permit Conditions Superseded [326 IAC 2]

---

The terms and conditions of this permit incorporate all the current applicable requirements for all emission units located at this source, and supersede all terms and conditions in all registrations and permits, including construction permits, issued prior to the date of issuance of this permit. All terms and conditions in such registrations and permits are no longer in effect.

## SECTION D.7 FACILITY OPERATION CONDITIONS

- (5) Two (2) front door bolster/glue booths, identified as Bolster/Glue Booths 23 and 24, equipped with air atomization spray applicators; dry filters for overspray control exhausting to stacks 23 and 24; and infrared curing ovens. The maximum capacity of each of the bolster/glue booths is 15 interior automotive plastic parts per hour.

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.7.1 Best Available Control Technology (BACT) [326 IAC 8-1-6]

Any change or modification which may increase the potential VOC emissions to 25 tons per year or more from Bolster/Glue Booths 23 and 24 must be approved by the Office of Air Management (OAM) before such change may occur. The input VOC to the bolster/glue booths is less than 25 tons per year, therefore, 326 IAC 8-1-6 (BACT) does not apply.

#### D.7.2 Prevention of Significant Deterioration (PSD)

Any change or modification which may increase the potential VOC emissions to 40 tons per year or more from Bolster/Glue Booths 23 and 24; Glue Booths 17 and 19; and Bolster Wraps 18, 20, 21, and 22 must be approved by the Office of Air Management (OAM) before such change may occur. The input VOC to these emission units combined is less than 40 tons per year, therefore, the Prevention of Significant Deterioration (PSD) rules, 326 IAC 2-2 and 40 CFR 52.21 do not apply.

#### D.7.3 Particulate Matter (PM) [326 IAC 6-3-2(c)]

The PM from the Bolster/Glue Booths 23 and 24 shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

#### D.7.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for Bolster/Glue Booths 23 and 24 and any control devices.

### Compliance Determination Requirements

#### D.7.5 Testing Requirements [326 IAC 2-7-6(1)]

Testing of this facility is not specifically required by this permit. However, this does not preclude testing requirements on this facility under 326 IAC 2-1-4(f) and 326 IAC 2-7-6(1).

### Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

#### D.7.6 Particulate Matter (PM)

The dry filters for PM control shall be in operation at all times when Bolster/Glue Booths 23 and 24 are in operation.

#### D.7.7 Monitoring

---

- (a) Daily inspections shall be performed at Bolster/Glue Booths 23 and 24 to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an overspray emission, evidence of overspray emission, or other abnormal emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.
- (c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plans.

#### **Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

#### D.7.8 Record Keeping Requirements

---

- (a) To document compliance with Conditions D.7.1 and D.7.2, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC emission limits established in Conditions D.7.1 and D.7.2.
  - (1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
  - (2) A log of the dates of use;
  - (3) The cleanup solvent usage for each month;
  - (4) The total VOC usage for each month; and
  - (5) The weight of VOCs emitted for each compliance period.
- (b) To document compliance with Conditions D.7.6 and D.7.7, the Permittee shall maintain a log of weekly overspray observations, daily, weekly and monthly inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.